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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/675,714	09/29/2003	Yuji Horie	NMCIP042	6324	
22434	7590 10/25/2006		EXAMINER		
BEYER WEAVER & THOMAS, LLP			AHMED, SHAMIM		
P.O. BOX 702 OAKLAND, (50 CA 94612-0250		ART UNIT PAPER NUMBER		
,			1765		
			DATE MAILED: 10/25/2000	DATE MAILED: 10/25/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/675,714	HORIE ET AL.	
Office Action Summary	Examiner	Art Unit	
	Shamim Ahmed	1765	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence add	ress
• •			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tinuity rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this com D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 14 Au	iaust 2006		
· <u></u>	action is non-final.		
3) Since this application is in condition for allowar		secution as to the i	merits is
closed in accordance with the practice under E			morno io
Disposition of Claims	.,		
4) Claim(s) 1-15 is/are pending in the application.			
4a) Of the above claim(s) <u>9-15</u> is/are withdrawn			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-8</u> is/are rejected.	•		
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examine	r.		
10)☐ The drawing(s) filed on is/are: a)☐ acce	epted or b) objected to by the	Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is ob	jected to. See 37 CFF	R 1.121(d).
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTC	D-152.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents	hove been received		
1. Certified copies of the priority documents2. Certified copies of the priority documents		on No	
3. ☐ Copies of the certified copies of the prior			tago
application from the International Bureau		o in this Hational S	tage
* See the attached detailed Office action for a list of		ed.	
Attachment(s)			
Notice of References Cited (PTO-892)	4) Interview Summary		
P) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da 5) Notice of Informal P		
B) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:	акні Аррікацій	

U.S. Patent and Trademark Office PTOL-326 (Rev. 08-06)

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 8/14/06 have been fully considered but they are not persuasive. Applicants argue that Yoshizawa does not teach the abrading particles of monocrystalline diamond particles having corner and METADI catalog does not show all monocrystalline diamond particles have corners, whereas METADI catalog tends to show that it is public knowledge that round edges and angular, blocky-shaped edges are distinguishable.

In response, examiner states that the argument/statement is not persuasive because METADI catalog shows clearly that monocrystalline diamond particles have sharp corners and polycrystalline diamond cluster have blocky-shaped with greater number if cutting facets than the monocrystalline diamond particles.

Therefore, Yoshizawa's diamond particles have corners unless specified that applicant's diamond particles have different size of the corners.

As regards to Kendall, applicants argue that Kendall does not describe any cluster particles or coagulated particles are supplied onto the surface of a magnetic hard disk.

In response, examiner noted that the claims are limited to a polishing slurry comprises abrading particles that are cluster of particles of monocryatalline diamond particles and Kendall's abrading particles comprises polycrystalline diamond particles, which is cluster of particles of monocrystalline diamond particles and meets all the claimed limitations (see the rejection).

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So, the rejections of the previous office action are repeated herein as below:

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Yoshizawa et al (JP-404362397) as evidenced with Article METADI diamond suspensions.

Yoshizawa et al teach a composition comprises diamond grain cluster of less than 100 angstroms (<10 nm) in average size, reads on the claimed particles diameters in the range of 1-10 nm and the diamond particles are dispersed in water-based aqueous solution (see the abstract).

Yoshizawa et al teach that the roundish diamond grain inherently includes corners as evidenced by the Diamond suspensions article.

In the above, it is the examiner position that the roundish is not completely round.

The intended use of the composition used as a polishing slurry for texturing a surface of a magnetic hard disk is not given patentable weight and even given the

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patentable weight, Yoshizawa et al's composition is exactly same as the instant invention and the composition is capable of texturing the disk as a polishing slurry.

4. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Kendall et al (US 2003/0194961 A1).

The preamble limitation of "polishing slurry for texturing a surface of a magnetic hard disk substrate" is not given patentable weight because a preamble is generally not accorded any patentable weight where it merely recites the purpose of a process or the intended use of a structure, and where the body of the claim does not depend on the preamble for completeness but, instead, the process steps or structural limitations are able to stand alone. See In re Hirao, 535 F.2d 67, 190 USPQ 15 (CCPA 1976) and Kropa v. Robie, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1951).

Kendall et al teaches the use of abrasive particles of mono or polycrystalline diamond particles having average particles size of .0001-300 micrometer, which meets the claimed range, wherein the abrasives are dispersed in liquid aqueous medium (see paragraphs 0031-0032).

Kendall et al also disclose the abrasive particles may have different shapes including corners (paragraph 0035).

Additionally, the monocrystalline diamond particles inherently include corners.

Kendall et al also teach surfactants may be used in the composition, wherein the surfactant can be non-ionic surfactant (paragraph 0038).

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Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shamim Ahmed whose telephone number is (571) 272-1457. The examiner can normally be reached on M-Thu (7:00-5:30) Every Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine G. Norton can be reached on (571) 272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Shamim Ahmed Primary Examiner Art Unit 1765

SA October 21, 2006